

# Jocelyn Stericker

## Bluescape – Principal Software Engineer, 2019 – present

- Architected **Operational Transformation** (OT) system for collaborative undo, redo, and consistency.
- Developed the technology and culture for **continuous deployment**, **feature flags**, and **cross-team collaboration**.

## Khan Academy – Software Engineer, 2017 – 2019

- Architected and implemented flexible challenge system to onboard teachers and motivate students. Used **Flow**-typed **React** and **Google App Engine** for **Python**.
- Improved data collection and processing systems to increase the relevancy and effectiveness of donation drive emails. Used **BigQuery** and **Python**.
- Wrote tools to help content creators and translators educate millions.

## Facebook – Intern, late 2016

- Wrote a tool to access current and historical news feed CPU/memory performance data for automated regression testing and analysis. Used **C++**, **SQL**, and **Python**.
- Automated the deployment & host management of a network-constrained service.

## Stripe – Intern, summer 2015

- Implemented dispute evidence submission and other UIs for the merchant dashboard.
- Implemented a system for efficiently catching visual regressions in web applications.

## Khan Academy – Intern, summer 2013 and early 2014

- Designed and implemented reports used by parents and teachers to track the progress of millions of students. This was one of the first production uses of **React**. Created scalable backend using **Google App Engine** for **Python**.

## BlackBerry – Intern, summer 2012

- Implemented CSS Filter Effects in **WebKit (C++)** for the **BlackBerry 10** Browser.
- Quartered text shadow rendering time and improved **WebGL** performance by **60%**.

## About Me

I am a software engineer, musician, and cyclist. I graduated from the University of Waterloo in 2017 with a Bachelor of Software Engineering.

I made **Hacklily** (<https://hacklily.org>), a web-based sheet music editor. It survived the front page of **Hacker News** and uses **Rust, Docker, React**, and **TypeScript**.

I am an avid builder and explorer. I thrive in teams where I can be both a learner and a teacher. I seek projects where the right architecture isn't obvious and where experience across the entire stack is important.

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